AMENDMENT TO THE CLAIMS:

This listing of claims will replace all prior versions of claims in the application:

LISTING OF CLAIMS:

- (ORIGINAL) A composite ring for coupling a disk to a spindle, comprising:
 a upper layer constructed of a material having a Young's modulus greater than or
 equal to a primary material of the disk; and
 - a lower layer fixedly coupled to the upper layer and constructed of a material having similar properties to that of the disk, the properties being selected from a group consisting of a coefficient of thermal expansion, thermal conductivity and Young's modulus.
- (ORIGINAL) A composite ring as recited in claim 1, wherein the upper layer has a Young's modulus between about 20 to about 250 GPa.
- (ORIGINAL) A composite ring as recited in claim 1, wherein the upper layer has a Young's modulus of between about 60 to about 300 GPa.
- 4. (ORIGINAL) A composite ring as recited in claim 1, wherein the upper layer is constructed of a material selected from a group consisting of chrome, titanium, nickel, stainless steel and composites thereof.
- 5. (ORIGINAL) A composite ring as recited in claim 1, wherein the lower layer has a thermal expansion of between about 1 and 25 (10⁻⁶/C).

- (ORIGINAL) A composite ring as recited in claim 1, wherein the lower layer is constructed of a material selected from a group consisting of aluminum and glass.
- (ORIGINAL) A composite ring as recited in claim 1, further comprising a
 middle layer fixedly coupled between the upper and lower layers.
- 8. (ORIGINAL) A composite ring as recited in claim 1, wherein the layers are coupled together via mechanical bonding.
- (ORIGINAL) A composite ring as recited in claim 1, wherein the layers are coupled together by an adhesive.
- (ORIGINAL) A composite ring as recited in claim 1, wherein the layers are coupled together at a molecular level.
- 11. (ORIGINAL) A composite ring as recited in claim 1, wherein a ratio of a modulus of the upper layer to a modulus of the lower layer is between about 1 and 5.
- 12. (ORIGINAL) A composite ring for coupling a disk to a spindle, comprising: a upper layer constructed of a material having a Young's modulus greater than or equal to a primary material of the disk; and
 - a lower layer fixedly coupled to the upper layer and constructed of a material having similar properties to that of the disk, the properties being selected from a group consisting of a coefficient of thermal expansion wherein the upper layer has a hardness of greater than about 20 kg/mm²; wherein the upper layer has a modulus of greater than about 60 GPa.

- 13. (ORIGINAL) A composite ring as recited in claim 12, wherein the upper layer is constructed of a material selected from a group consisting of chrome, titanium, nickel, stainless steel and composites thereof.
- 14. (ORIGINAL) A composite ring as recited in claim 12, wherein the lower layer has a thermal expansion between about 1 and 25 (10⁻⁶/C).
- 15. (ORIGINAL) A composite ring as recited in claim 12, wherein the lower layer is constructed of a material selected from a group consisting of aluminum and glass.
- (ORIGINAL) A composite ring as recited in claim 12, further comprising a middle layer fixedly coupled between the upper and lower layers.
- 17. (ORIGINAL) A composite ring as recited in claim 12, wherein the layers are coupled together via mechanical bonding.
- 18. (ORIGINAL) A composite ring as recited in claim 12, wherein the layers are coupled together by an adhesive.
- 19. (ORIGINAL) A composite ring as recited in claim 12, wherein the layers are coupled together at a molecular level.
- 20. (ORIGINAL) A composite ring as recited in claim 12, wherein a ratio of a modulus of the upper layer to a modulus of the lower layer is between about 1 and 5.
- 21. (ORIGINAL) A composite ring for coupling a disk to a spindle, comprising: a upper layer; and

- a lower layer fixedly coupled to the upper layer and constructed of a material having similar properties to that of the disk, the properties being selected from a group consisting of a coefficient of thermal expansion and thermal conductivity;
- wherein the upper layer has a Young's modulus greater than that of a primary material of the disk;
- wherein a ratio of the modulus of the upper layer to a modulus of the lower layer is between about 1 and 5.
- 22. (ORIGINAL) A composite ring as recited in claim 21, wherein the lower layer has a thermal expansion between about 1 and 25 (10⁻⁶/C).
- 23. (ORIGINAL) A composite ring as recited in claim 21, wherein the lower layer is constructed of a material selected from a group consisting of aluminum and glass.
- 24. (ORIGINAL) A composite ring as recited in claim 21, further comprising a middle layer fixedly coupled between the upper and lower layers.
- 25. (ORIGINAL) A magnetic storage system, comprising: magnetic media coupled to a spindle using the composite ring of claim 1; at least one head for reading from and writing to the magnetic media, each head having:
 - a sensor;
 - a write element coupled to the sensor;
 - a slider for supporting the head; and
 - a control unit coupled to the head for controlling operation of the head.